

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

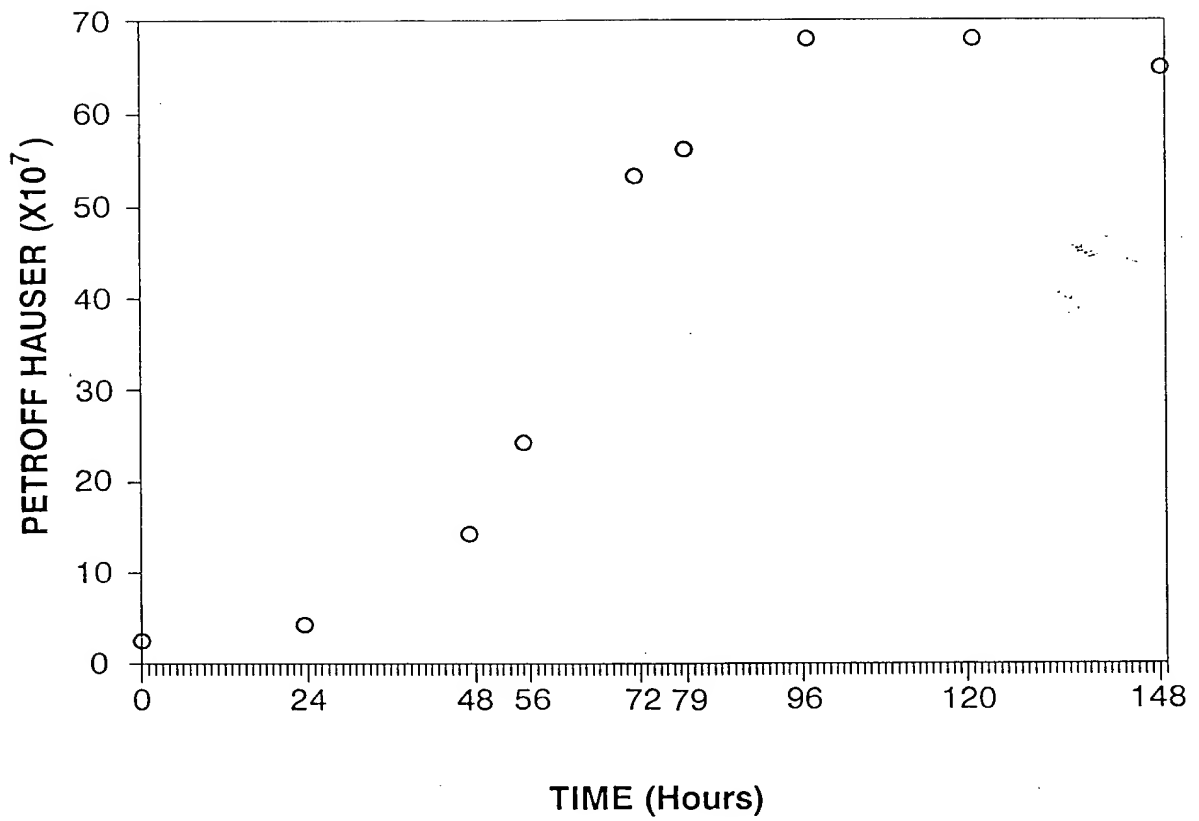


FIGURE 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

4-11-60 230600

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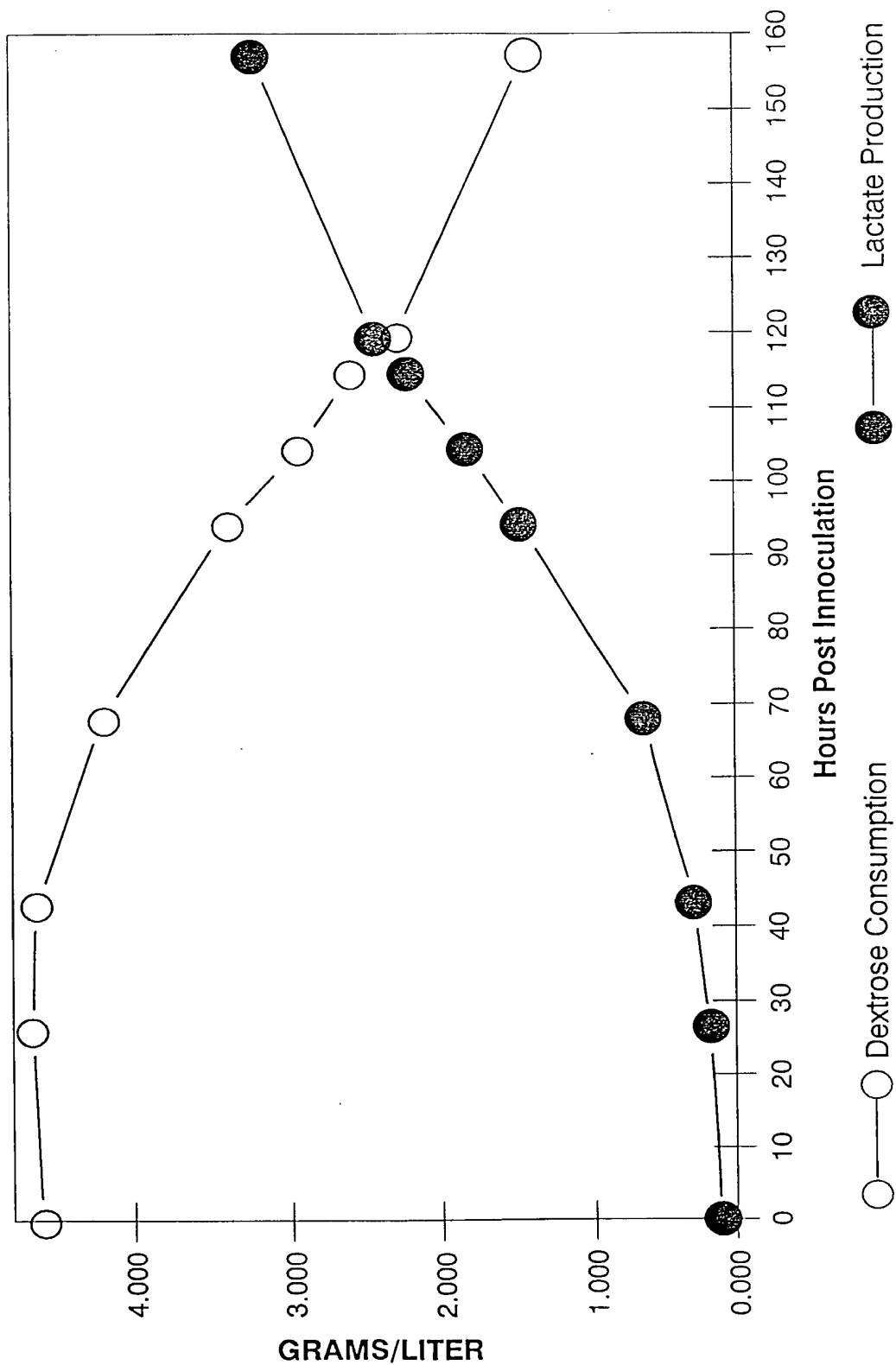


FIGURE 2

APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

FIGURE 3

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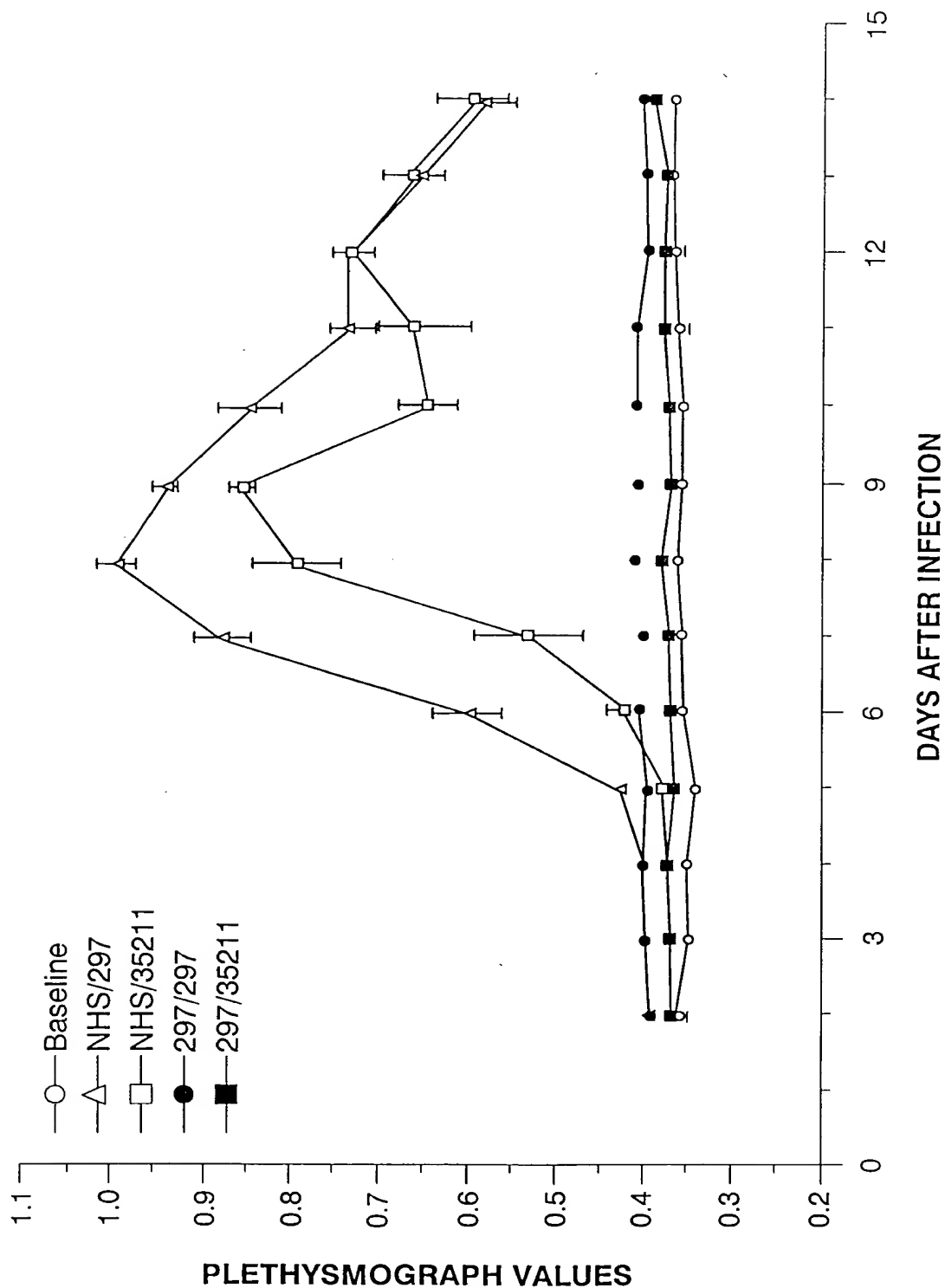
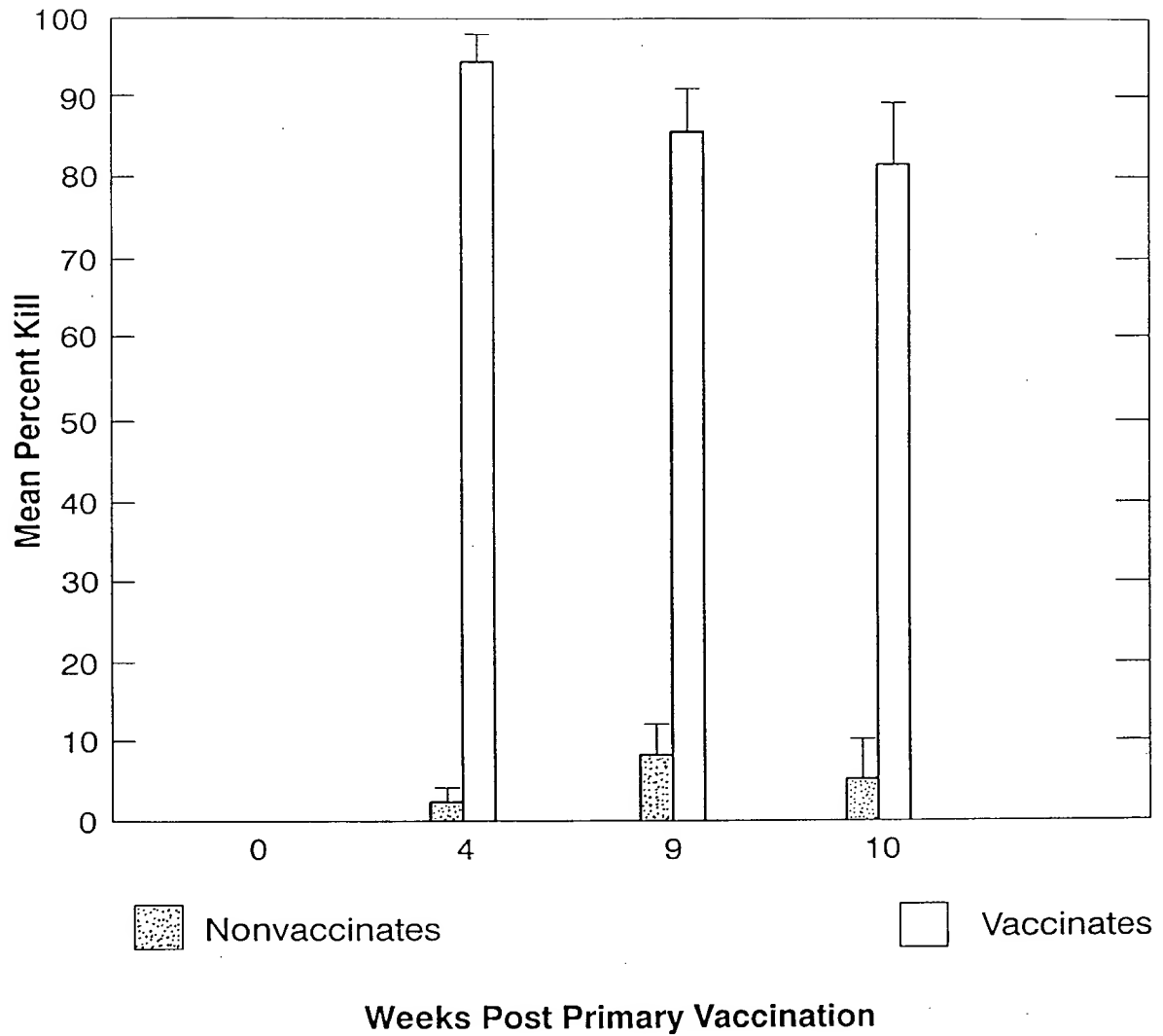


FIGURE 3

**FIGURE 5**

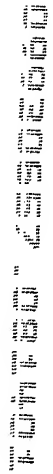
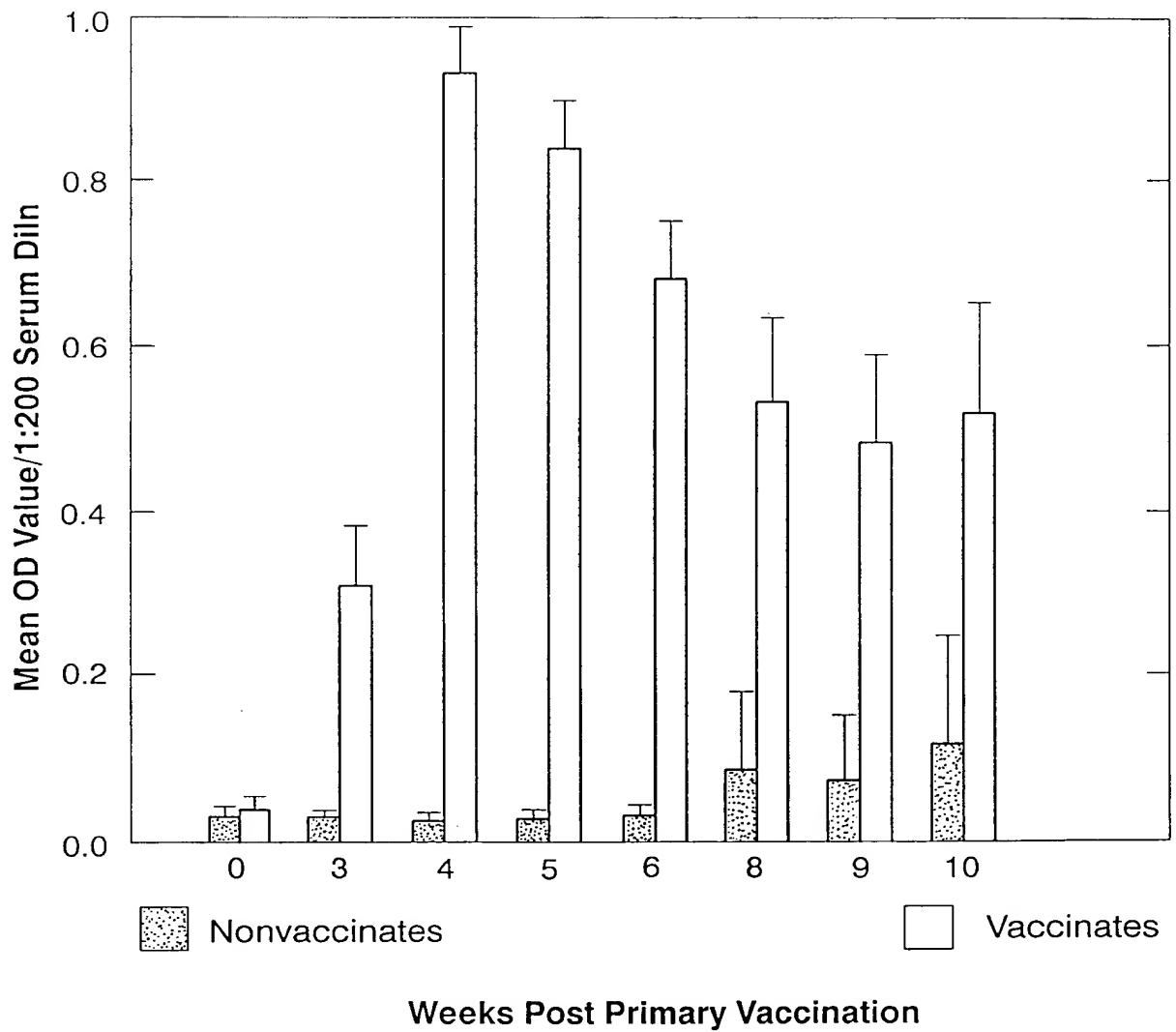


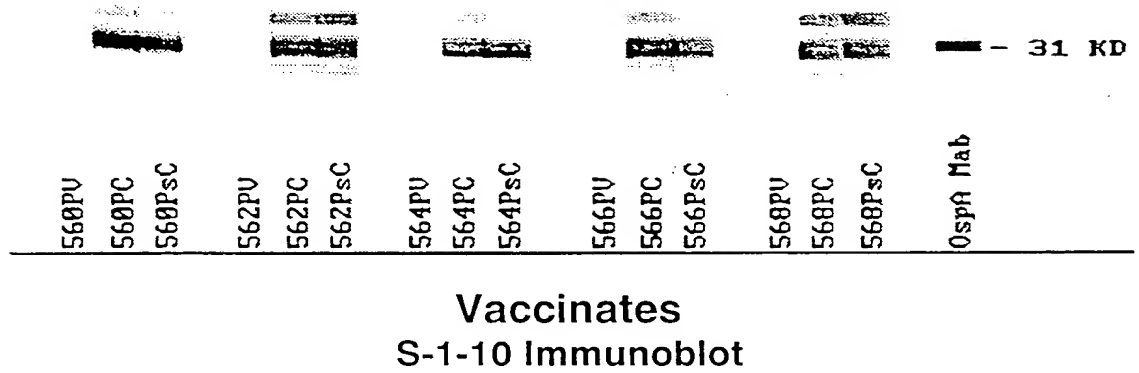
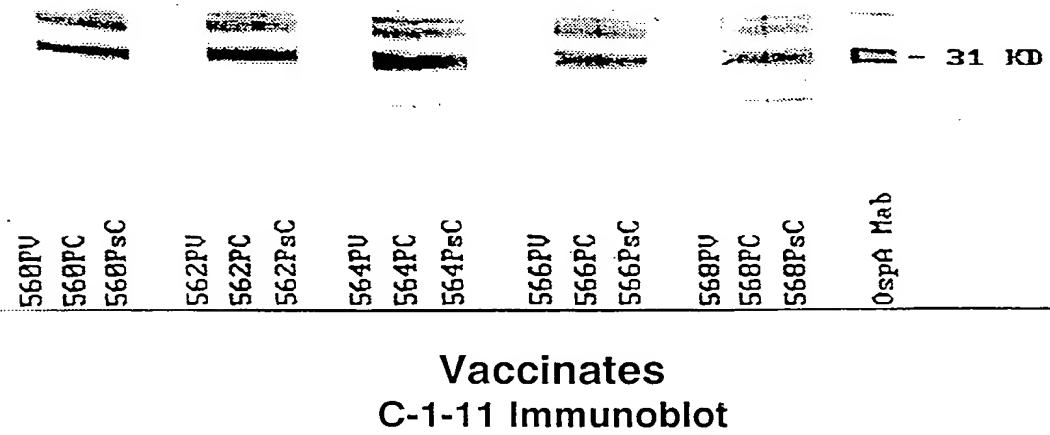
FIGURE 6

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

PWT 130 230600

**FIGURE 7**

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

**FIGURE 8A****FIGURE 8B**

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APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

10/14/00 15:30:00

31 KD -

OspA Mab

570PU

570PC

570PsC

574PU

574PC

574PsC

609PU

609PC

609PsC

615PU

615PC

615PsC

627PU

627PC

627PsC

Vaccinates
S-1-10 Immunoblot

FIGURE 9A



31 KD

570PU

570PC

570PsC

574PU

574PC

574PsC

609PU

609PC

609PsC

615PU

615PC

615PsC

627PU

627PC

627PsC

OspA Mab

Vaccinates
C-1-11 Immunoblot

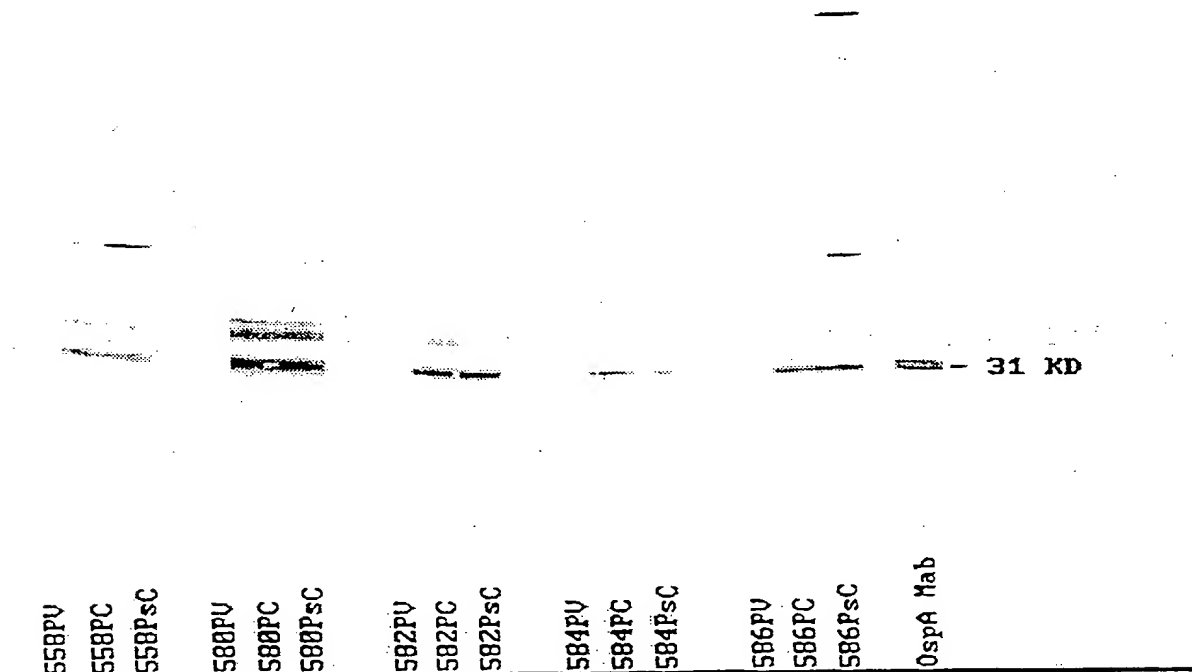
FIGURE 9B

APPROVED	O.G. FIG.	
BY	CLASS	SUECLASS
DRAFTSMAN		

10/20

558PV
558PC
558PsC
580PV
580PC
580PsC
582PV
582PC
582PsC
584PV
584PC
584PsC
586PV
586PC
586PsC
OspA Mab

Vaccinates
S-1-10 Immunoblot
FIGURE 10A



Vaccinates
C-1-11 Immunoblot
FIGURE 10B

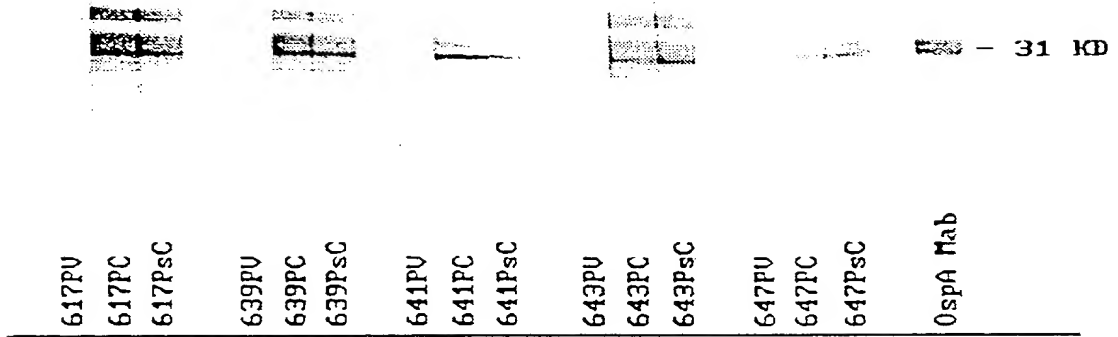
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APPROVED BY		O.G. FIG.	
DRAFTSMAN		CLASS	SUBCLASS

FIGURE 11A

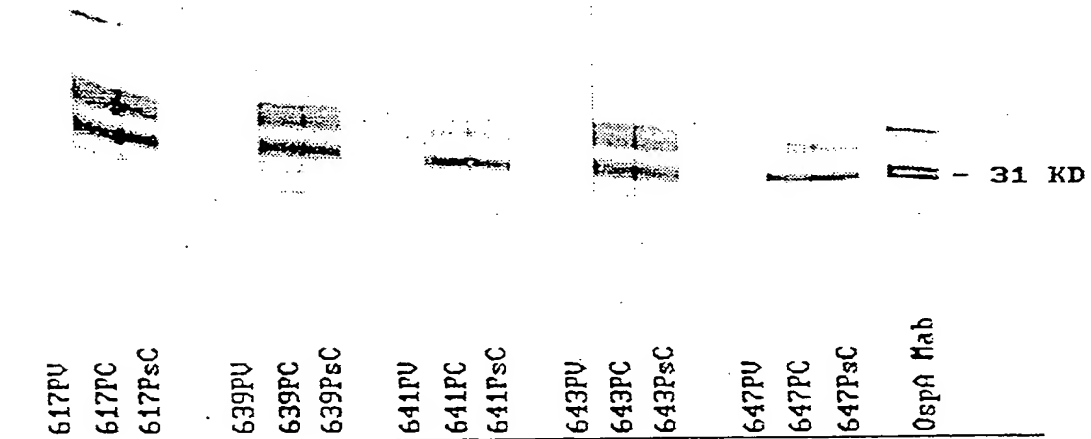
Vaccinates
S-1-10 Immunoblot

FIGURE 11A



Vaccinates
C-1-11 Immunoblot

FIGURE 11B



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APPROVED BY DRAFTSMAN	O.G. FIG.	
	CLASS	SUBCLASS

-186KD

-88KD

-49.5KD

-32.5KD

-31KD Ospa

-27.5KD

667 673 671 669 665 663 661 655 651 612 610 608 598 556 554 Mab

Nonvaccinates Prechallenge
S-1-10 Immunoblot

FIGURE 12A

-186KD

-88KD

-49.5KD

-32.5KD

-31KD Ospa

-27.5KD

677 673 671 669 665 663 661 655 651 612 610 608 598 556 554 Mab

Nonvaccinates Prechallenge
C-1-11 Immunoblot

FIGURE 12B

[illegible]

-288KD

-97KD

-68KD

-43KD

-31KD Osp A
-29KD

-18KD

677
673
671
669
665
663
661
655
651
612
610
608
598
556
554
Mab

Nonvaccinates Postchallenge

S-1-10 Immunoblot

FIGURE 13A

-200KD

-97KD

-68KD

—43KD

■-31KD 0sp A
-29KD

-18KD

677
673
671
669
665
663
661
655
651
612
610
608
598
556
554
Map

Nonvaccinates Postchallenge

C-1-11 Immunoblot

FIGURE 13B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

607750 " 230600

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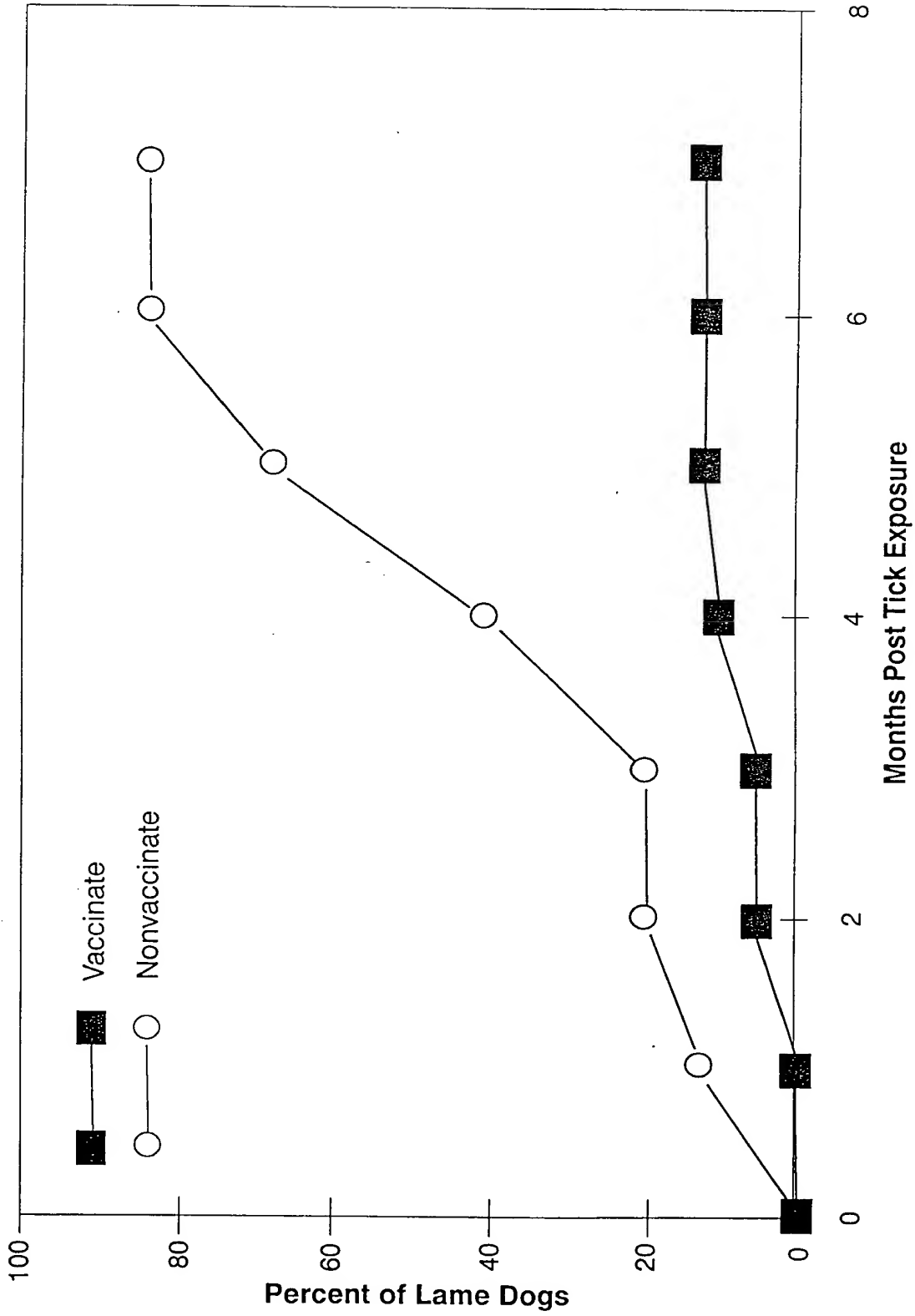


FIGURE 14

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

KD

97.4-

66.2-

45.8-

31.8-

21.5-

746PV

746PC

746PsC

758PV

758PC

758PsC

768PV

768PC

768PsC

782PC

782PC

782PsC

847PV

847PC

847PsC

OspA mAb

Vaccinates – 5×10^8 Cells/Dose
C-1-11 Immunoblot

FIGURE 15A

KD

97.4-

66.2-

45.8-

31.8-

21.5-

835PV

835PC

835PsC

851PV

851PC

851PsC

855PV

855PC

855PsC

863PV

863PC

863PsC

879PC

879PsC

OspA mAb

Vaccinates – 5×10^8 Cells/Dose
C-1-11 Immunoblot

FIGURE 15B

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KD

97.4-

66.2-

45.8-

31.8-

21.5-

746PV

746PC

746PsC

758PV

758PC

758PsC

768PV

768PC

768PsC

782PV

782PC

782PsC

847PV

847PC

847PsC

OspA mAb

Vaccinates - 5×10^8 Cells/Dose
S-1-10 Immunoblot

FIGURE 16A

KD

97.4-

66.2-

45.8-

31.8-

21.5-

835PV

835PC

835PsC

851PV

851PC

851PsC

855PV

855PC

855PsC

863PV

863PC

863PsC

879PC

879PsC

OspA mAb

Vaccinates - 5×10^8 Cells/Dose
S-1-10 Immunoblot

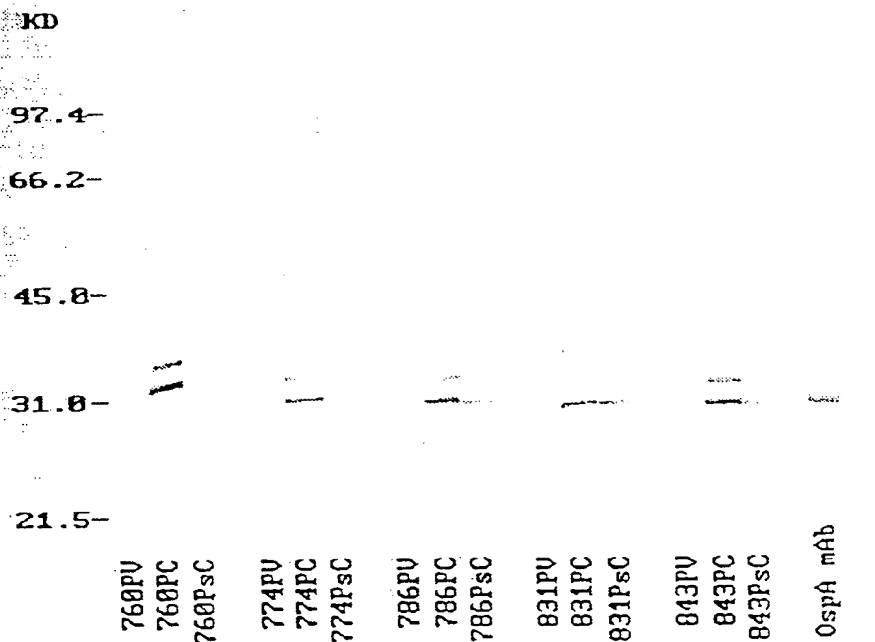
FIGURE 16B

APPROVED	D.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

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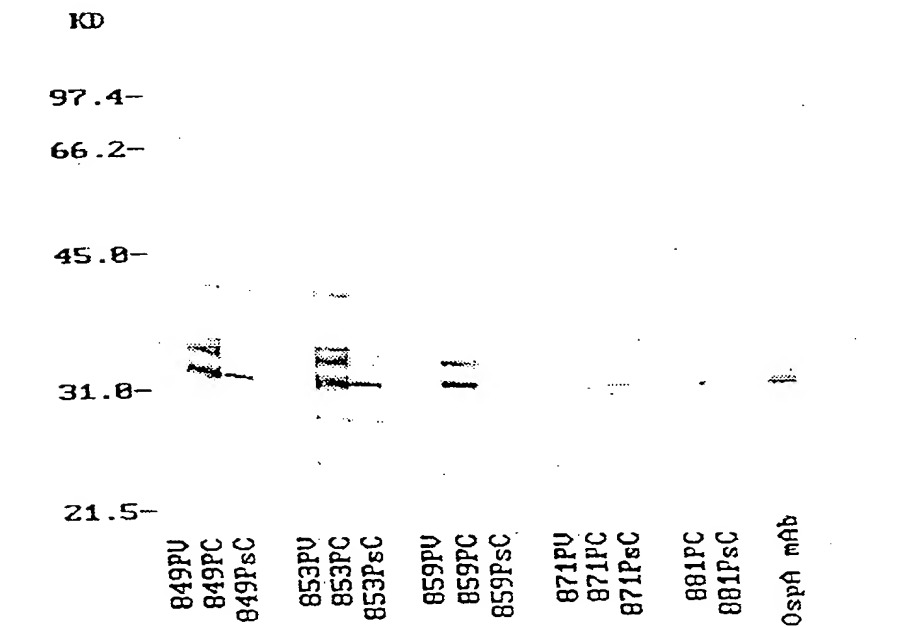
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APPROVED BY	C.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		



Vaccinates - 5×10^7 Cells/Dose
C-1-11 Immunoblot

FIGURE 17A



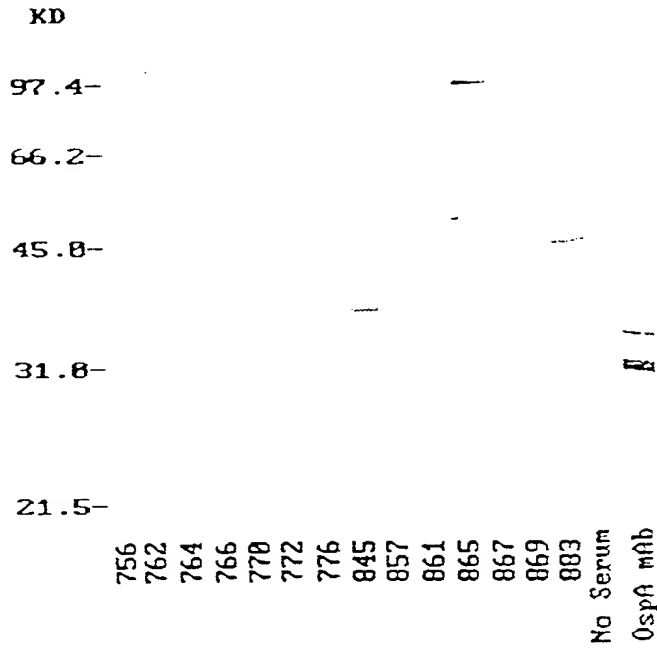
Vaccinates - 5×10^7 Cells/Dose
C-1-11 Immunoblot

FIGURE 17B

TOP SECRET

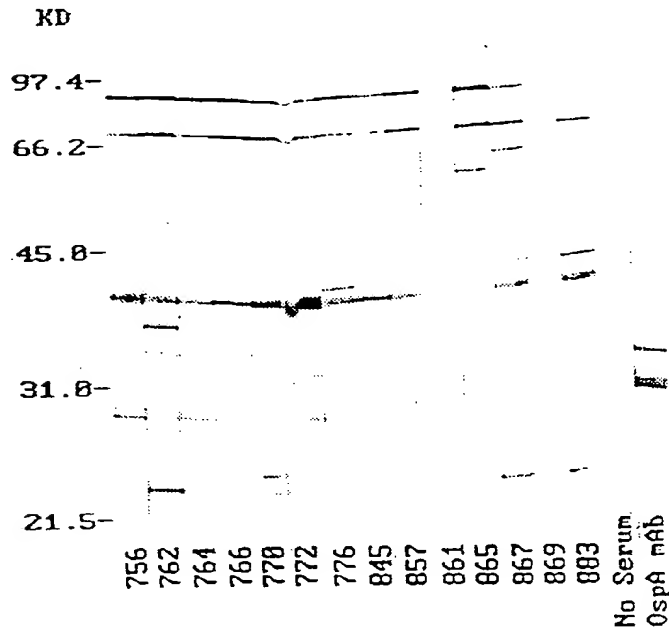
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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



Nonvaccinates Prechallenge
C-1-11 Immunoblot

FIGURE 18A

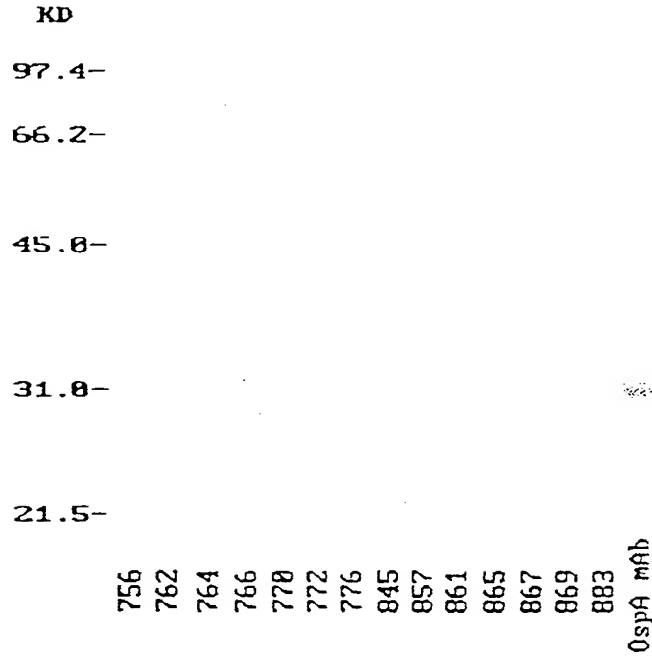


Nonvaccinates Post Tick Challenge
C-1-11 Immunoblot

FIGURE 18B

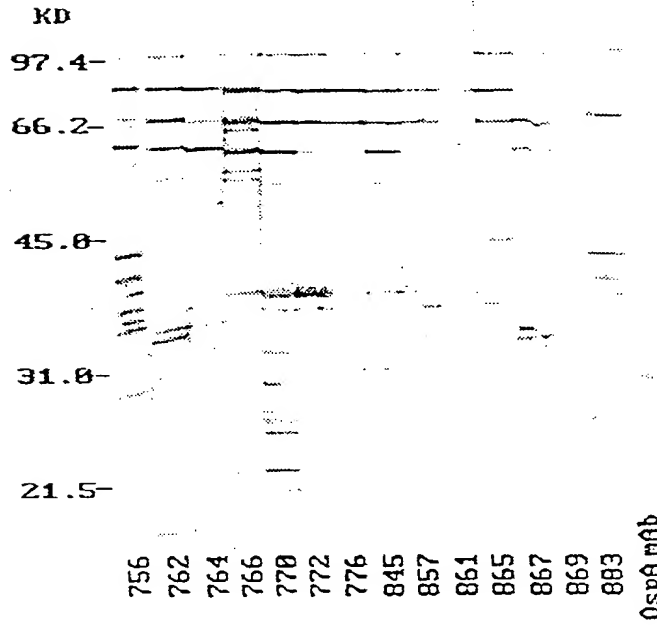
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APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS



Nonvaccinates Prechallenge
S-1-10 Immunoblot

FIGURE 19A



Nonvaccinates Post Tick Challenge
S-1-10 Immunoblot

FIGURE 19B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

UNITED STATES OF AMERICA
 DEPARTMENT OF AGRICULTURE
 BUREAU OF PLANT INDUSTRY

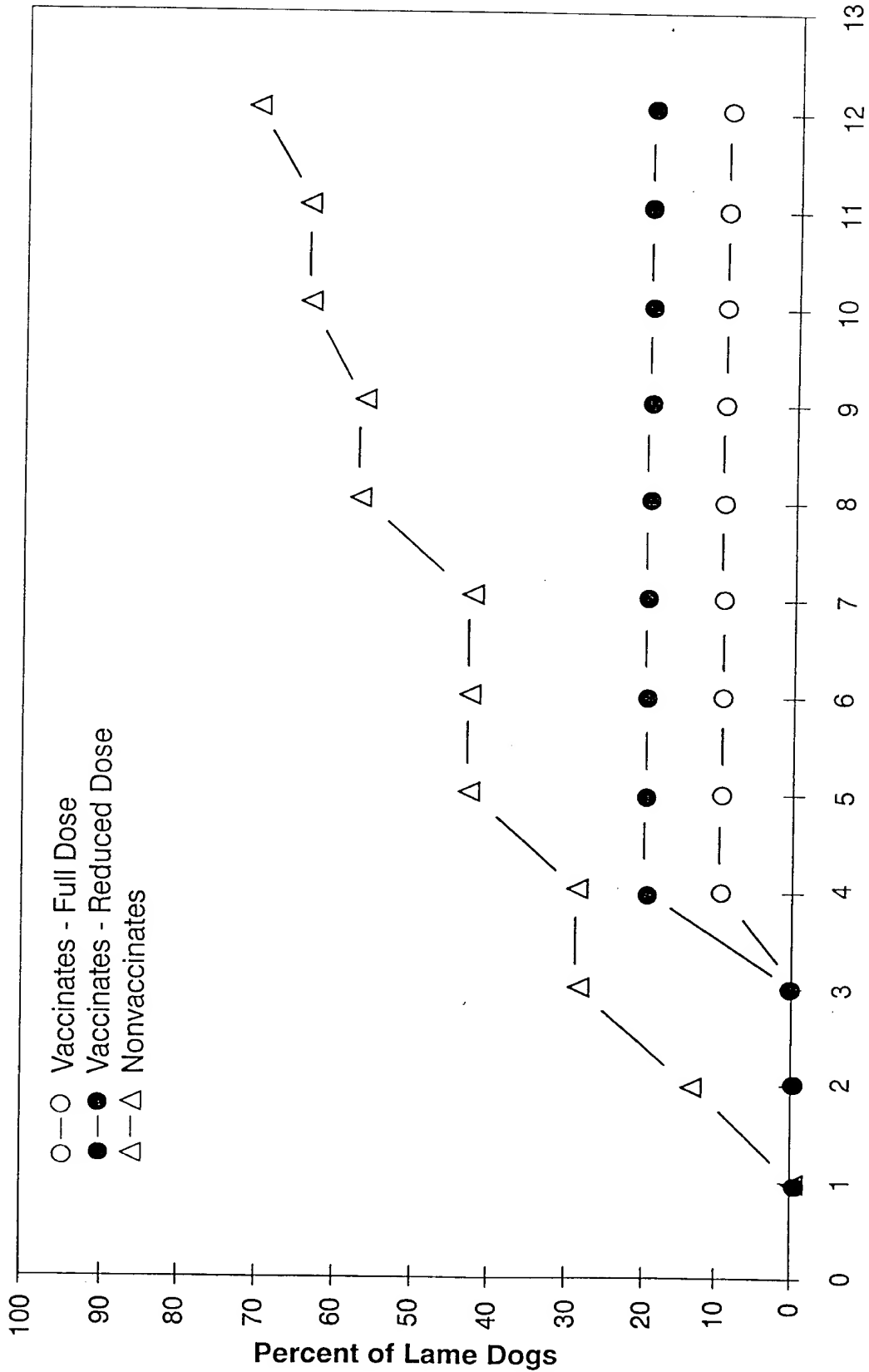


FIGURE 20